



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/736,524

12/17/2003

Kang-Tien Lin

BHT-3215-59

4348

7590

03/25/2005

Troxell Law Office PLLC
Suite 1404
5205 Leesburg Pike
Falls Church, VA 22041

EXAMINER

SAWHNEY, HARGOBIND S

ART UNIT

PAPER NUMBER

2875

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/736,524	LIN, KANG-TIEN	
	Examiner	Art Unit	
	Hargobind S. Sawhney	2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chuang (US Patent No.: 5,931,568) in view of the prior art admitted by the applicant.

Regarding Claim 1, Chuang ('568) discloses a light bulb structure 3 (Figure) comprising:

- a lamp bulb 22 including two wires 4 connected via a filament (Figure 2, column 1, lines 64-66); the two wires 4 extending out of the bulb 22 (Figure 2, column 1, lines 64-66);
- a lamp shade 31 – combination of element 31 and the matting surface of the peripheral extension of the lamp bulb 22 – closed at its bottom end in its installed condition (Figure 2, column 2, line 3); the two wires 4 extending out of the lamp shade 22 (Figure 2);
- a mounting base 1 securely connected to a bottom of the lamp shade 31 (Figure 2, column 1, lines 56-63); the two wires 4 extending out of the mounting base 1 (Figure 2);

Chuang ('568) teaches the closed light bulb including two wires connected via a filament. Chuang ('568) does not specifically teach the two wires being magnesium wires, and the filament being a tungsten filament. On the other hand, the prior art admitted by the applicant discloses a conventional light bulb 5 including two magnesium wires connected via a tungsten filament 7 (instant application, Figure 4, page 1, lines 19-24)

It would be have been obvious to one of ordinary skill in the art at the time of the invention to modify the light bulb structure of Chuang ('568) by providing magnesium wires and tungsten filament as taught by the prior art admitted by the applicant, and well known in the art for benefit and advantage long operational life of the light bulb.

Regarding Claim 2, Chuang ('568) in view of prior art admitted by the applicant discloses the light bulb structure (Chuang, Figure 2) further including the base structure 1 including a passage of the two magnesium wire to pass through, and extend out of the mounting structure 1 (Chuang, Figure 2).

Conclusion

3. The following prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Wu (U.S. Patent Application Pub. No. 2004/0257806 A1), Huang (U.S. Patent No. 6,630,773 B1), Kahl et al. (U.S. Patent No. 6,086,225), Huang (U.S. Patent No. 5,626,415), Seib (U.S. Patent No. 5,539,628), Lin (U.S. Patent No.

Art Unit: 2875

5,517,394), Lin (U.S. Patent No. 5,414,605), Oshino (U.S. Patent No. 5,221,140) and Cook (US Patent No.: 3,604,918)


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hargobind S Sawhney whose telephone number is 571 272 2380. The examiner can normally be reached on 6:15 - 2:45.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571 272 2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HSS
3/14/2005


Sandra O'Shea
Supervisory Patent Examiner
Technology Center 2800